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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,599	07/03/2003	Yubo Miao	IME03-002	7269
STEPHEN B. ACKERMAN 28 DAVIS AVENUE			EXAMINER	
			BEISNER, WILLIAM H	
POUGHKEEP:	SIE, NY 12603		ART UNIT PAPER NUMBER	
			1797	
	•			
			MAIL DATE	DELIVERY MODE
	•		11/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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•		Application No.	Applicant(s)			
		10/613,599	MIAO ET AL.			
•	Office Action Summary	Examiner	Art Unit			
		William H. Beisner	1797			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
VVHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	1) Responsive to communication(s) filed on <u>07 September 2007</u> .					
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
3)	S) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1-20</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed.  Claim(s) <u>1-20</u> is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	vn from consideration.				
Applicat	ion Papers					
9)[	The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>08 August 2007</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority I	under 35 U.S.C. § 119					
a)	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the priority application from the International Bureau  See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachmen	nt(s)					
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:				

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#### DETAILED ACTION

#### Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/7/2007 has been entered.

## **Drawings**

2. The drawings were received on 8/8/2007. These drawings are acceptable.

## Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the first paragraph of 35 U.S.C. 112:
  - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 4. Claims 1-20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

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Independent claims 1, 7 and 14 all include the newly recited claim language "providing a mold whose surface includes micro-channels and an array of flat bottomed depressions having a depth no greater than 500 microns". While the originally filed specification discloses a multi-chamber chip device that includes micro-channels (22) being connected to the sample chambers or depressions (21) and a mold (62) having an array of flat bottomed depressions (61), the originally filed disclosure fails to disclose that the mold (62) used to form the chip device includes a surface having microchannels. Applicants' responses filed 3/9/2007 and 8/8/2007 do not point out where support for this new claim limitation can be found. As a result, the originally filed disclosure fails to adequately convey to one of ordinary skill in the art that at the time of filing the invention, that a mold whose surface includes micro-channels and an array of flat bottomed depressions having a depth no greater than 500 microns was considered to be applicants' invention. Claims 2-6, 8-13 and 15-20 are also rejected based on their dependencies from claims 1, 7 or 14.

### Response to Arguments

5. With respect to the rejection of Claims 1-20 under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement, Applicants' make the following comments:

"Reconsideration is requested of the rejection of claims 1, 7, and 14 under 35 USC 112 on the grounds that the limitation "at least one

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micro-channel being connected to each of these depressions" (which was added as part of our previous response) is not supported by the specification. Said limitation has now been deleted from these claims." (See page 10 of Applicants' response dated 8/8/2007).

In response, the Examiner maintains that the amended claims still include new matter for the reasons set forth in the 35 USC 112, first paragraph, rejection above.

Note Applicants' responses filed 3/9/2007 and 8/8/2007 do not point out where support for this new claim limitation can be found. Pages 11-12 of the originally filed specification which discuss the mold device and molding method are silent with respect to the presence of micro-channels in a surface of the mold.

#### Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Beisner whose telephone number is 571-272-1269. The examiner can normally be reached on Tues. to Fri. and alt. Mon. from 6:15am to 3:45pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys J. Corcoran can be reached on 571-272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William H. Beisner/ Primary Examiner Art Unit 1797

WHB